## ALTERNATE NO. 1

## PIPELINE CONSTRUCTION

# ELIGIBLE ITEMS

Item No.		Estimated Quantity	Unit <u>Price</u>	Total <u>Price</u>
1	8" gravity sewer, Class 2400, 0-6 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving and excluding permanent paving.	1, 43,779 LF	\$ <b>/4.63</b>	#640,486.77
(Unit	Price In Written Words)			
2	8" gravity sewer, Class 2400, 6-8 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill, temporary paving and excluding permanent paving.	, 28,066 LF	\$ <b>/5.85</b>	s <b>444.846.</b> 1
(Unit	Price In Written Words)	4377	T. A. M. A. Marine	" and and for the cold " " " "
3	8" gravity sewer, Class 2400, 8-10 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill, temporary paving and excluding permanent paving.		s/ <b>7.2</b> /	0167 EL 2 Q
		15,547 LF	SIII	\$ <b>267,563</b> .87
(Unit	Price In Written Words)			
4	8" gravity sewer, Class 2400, 10-12 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill, temporary paving and excluding permanent paving.	7,743 LF	s/8.54	\$ <u>/43</u> 555.2
(Unit	Price In Written Words)			
5	8" gravity sewer, Class 2400, 12-14 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill, temporary paving and excluding permanent paving.	, 4,426 LF	\$ <b>21.16</b>	\$ <b>93,654.16</b>
(Unit	Price In Written Words)			



Item No.	Description	Estimated Quantity	Unit Price	Total Price
6	8" gravity sewer, Class 2400, 14-16 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving and excluding permanent paving.	, 2,401 LF	\$ <b>23.93</b>	<b>\$</b> 57,455.93
(Unit I	Price In Written Words)	· · · · · · · · · · · · · · · · · · ·		
7	8" gravity sewer, Class 2400, 16-18 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving and excluding permanent paving.	, 1,946 LF	\$ <i>30.40</i>	59,158.40
(Unit I	Price In Written Words)			
8	8" gravity sewer, Class 2400, 18-20 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving and excluding permanent paving.	,		27,847.50
		750 LF	s 37,13	\$
(Unit I	Price In Written Words)			
<u>o</u>	8" gravity sewer, Class 2400, 20-22 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving and excluding permanent	,		17 067 08
	paving.	276 LF	43.83	12,097.08
(Unit I	Price In Written Words)		-	
10	8" gravity sewer, Class 2400, 22-24 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving and excluding permanent	,		
	paving.	61 LF	\$ <b>50,5</b> 3	3,082.33
(Unit I	Price In Written Words)			

Item No.	Description	Estimated Quantity	Unit Price	Total Price
11	8" gravity sewer, Class 2400, 24-26 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving and excluding permanent		FIICE	TITCE
	paving.	14 LF	\$ <b>57.28</b>	\$801.92
(Unit P	rice In Written Words)			
12	8" gravity sewer, Class 3300, 0-6 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving and excluding permanent paving.	,		
	paving.	241 LF	\$15.68	£3778.88
(Unit P	rice In Written Words)			
13	10" gravity sewer, Class 2400, 0-6 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving and excluding permanent	,		en a en 2a
	paving.	3,131 LF	\$16.69	52,256.39 \$
(Unit P	rice In Written Words)			
14	10" gravity sewer, Class 2400, 6-8 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving and excluding permanent paving.		. 10 =1	55,884 K
		3,011 LF	\$18.56	\$
(Unit P	rice In Written Words)			
15	10" gravity sewer, Clss 2400, 8-10 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving and excluding permanent paving.	,		18,484.41
/m		903 LF	\$ <b>20.47</b>	\$
(Unit P	rice In Written Words)			

Item No.	Description	Estimated Quantity	Unit Price	Total Price
16	10" gravity sewer, Class 2400, 10-12 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving and excluding permanent paving.			
	paving.	350 LF	\$23.34	\$ <b>8169</b> —
(Unit	Price In Written Words)			
17	10" gravity sewer, Class 2400, 12-14 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving and excluding permanent			
	paving.	109 LF	\$ 27.26	\$ <b>2971.34</b>
(Unit	Price In Written Words)			
18	12" gravity sewer, Class 2400, 0-6 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill	,		
	temporary paving and excluding permanent paving.	3,792 LF	\$ 20,23	76,712.16
(Unit	Price In Written Words)			
19	12" gravity sewer, Class 2400, 6-8 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving and excluding permanent paving.	, 3,149 LF	\$ <b>2/,53</b>	67,79 <i>7.</i> 97
(Unit	Price In Written Words)			
20	12" gravity sewer, Class 2400, 8-10 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving and excluding permanent			
	paving.	2,575 LF	\$ <b>23.34</b>	60,100.50 \$
(Unit	Price In Written Words)			

Item No.	Description	Estimated Quantity	Unit <u>Price</u>	Total Price
21	12" gravity sewer, Class 2400, 10-12 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving and excluding permanent paving.		\$ <b>25,4</b> 0	17,272 —
(Unit Pr	ice In Written Words)			
22	12" gravity sewer, Class 2400, 12-14 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving and excluding permanent paving.		\$ <b>28.35</b>	10716.30 \$
(Unit Pr	ice In Written Words)			
23	12" gravity sewer, Class 2400, 14-16 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving and excluding permanent paving.		\$ <b>31.09</b>	15, 327.37
(Unit Pr	ice In Written Words)			
24	12" gravity sewer, Class 2400, 16-18 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving and excluding permanent paving.		\$ <b>34.80</b>	21,819.60 \$
(Unit Pr	ice In Written Words)			
25	12" gravity sewer, Class 2400, 18-20 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving and excluding permanent paving.  Tice In Written Words)		\$ <b>40.68</b>	5,166,36 \$
70				

]	[tem		Estimated	Unit	Total
1	No.	Description	Quantity	Price	Price
2	26	12" gravity sewer, Class 2400, 20-22 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving, and excluding permanent paving.	,	\$ <b>46.48</b>	1859.20
_(	(Unit Pr	ice In Written Words)			
2	27	12" gravity sewer, Class 2400, 22-24 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving, and excluding permanent paving.	,	\$ <i>52,28</i>	3,450.4 <b>8</b>
,	Ilnit Pr	ice In Written Words)			
-					
2	28	12" gravity sewer, Class 3300, 0-6 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving, and excluding permanent paving.	-	\$ <b>20,14</b>	5961.44 §
(	Unit Pr	ice In Written Words)			
2	29	14" gravity sewer, Class 2400, 0-6 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving and excluding permanent paving.	, 356 LF	\$ <b>23.28</b>	8287.68 \$
_(	Unit Pr	ice In Written Words)			
3	30	14" gravity sewer, Class 2400, 6-8 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving and excluding permanent paving.	643 LF	\$ <b>2</b> 7-	17,361 \$
_(	Unit Pr	ice In Written Words)			

Item	Decondata	Estimated	Unit	Total
No.	Description	Quantity	Price	Price
31	14" gravity sewer, Class 2400, 8-10 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving and excluding permanent paving.	884 LF	\$ <b>30,25</b>	26,741 - \$
(Unit	Price In Written Words)			
32	14" gravity sewer, Class 2400, 10-12 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving and excluding permanent paving.		\$ <b>33.50</b>	26,90a 50 \$
(Unit I	Price In Written Words)			
33	14" gravity sewer, Class 2400, 12-14 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving and excluding permanent paving.		\$ <b>36,20</b>	6841.80
(Unit I	Price In Written Words)			
(01116 1				
34	14" gravity sewer, Class 2400, 14-16 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving and excluding permanent paving.		s 38.96	7,986.80
(Unit I	Price In Written Words)			
35	14" gravity sewer, Class 2400, 16-18 feet deep, complete in place including pipe, excavation, stone bedding, stone backfill temporary paving and excluding permanent paving.		\$ <u>42,22</u>	/,435.48 \$
(Unit I	Price In Written Words)			

Item No. Description	Estimated Quantity	Unit Price	Total Price
8", Class 150, cement lined, cast iron, force main, complete in place including pipe, excavation, stone bedding, stone backfill, temporary paving and excluding permanent paving.	11,544 13,455 LF	\$ <b>27.50</b>	2 <i>59</i> ,740
(Unit Price In Written Words)			
37 Class 150, cement lined, cast iron, force main, complete in place including pipe, excavation, stone bedding, stone backfill, temporary paving and excluding permanent paving.	3 A 366		120.065
permanent paving. Lblocking	2,282 LF	\$ 27,50	120,065
(Unit Price In Written Words)			
38 8" x 4" Wye, complete in place.	704 Ea.	\$ <i>17,50</i>	/ <sub>\$</sub> 2,320—
(Unit Price In Written Words)			
39 $10'' \times 4''$ Wye, complete in place.	19 Ea.	\$27.50	522.50
(Unit Price In Written Words)			
40 12" x 4" Wye, complete in place.	80 Ea.	\$27.50	\$ <b>2200</b> —
(Unit Price In Written Words)			
41 8" $\times$ 6" Wye, complete in place.	2 Ea	\$ <b>20</b> -	\$ <b>40</b> -
(Unit Price In Written Words)			
42 4" PVC, Class 160, force main, complete	In	<u> </u>	
place including pipe, excavation, stone bedding, stone backfill, temporary pavin			
and excluding permanent paving			
	3,046 LF		\$
(Unit Price In Written Words)			
47 PVC, Class 160, force main, complete place including pipe, excavation stone bedding, stone backfill, temporary povin and excluding permanent paving.	$\times$		
and excluding permanent paving.	270 LF		1
(Unitaries in Waite in Words)	>		The same of the sa

Item No.	Description	Estimated Quantity	Unit Price	Total Price
44	6", Class 150, cement lined, cast iron, force main, complete in place, including pipe, excavation, stone bedding, stone backfill, temporary paving and excluding permanent paving.	15,015 10,568 LF	\$ <u>17.50</u>	262,762.50 \$
(Unit P	rice In Written Words			
	force main, complete in place, including lipe excavation, stone bedding, stone backfill, temporary paving and excluding permanent paving	935/LF		
(Unit P	rice In Written Words)			
46 (Unit P	Precast concret manholes, 0-6 feet deep, complet with base, frame, and cover.  rice In Written Words)	505 Ea.	\$ <i>550</i>	277,750— \$
47	Manhole extra depth over six feet complete in place.	1,151. 7 VF	\$ <b>45</b>	51,795
(Unit P	rice In Written Words)			
48	Drop manhole connections, complete.	268 VF	\$ <b>45</b>	12060
	rice In Written Words)			
49	Additional allowance for difference in cost between standard manhole frame and covers and watertight manhole frame and covers.	10 Ea.	\$ <i>15</i> 0	1500-
(Unit P	rice In Written Words)			
50	Sheeting and shoring left in place at direction of Engineer.	65 MBM	\$ <b>200</b>	13,000
(Unit P	rice In Written Words)			

Item No.	Description	Estimated Quantity	Unit Price	Total Price
51 (Unit P	Miscellaneous mass concrete including concrete cradle for gravity sewer line or as directed by Engineer.  rice In Written Words)		s <b>65</b>	4550
52	Air release valve chambers for four inch force main complete with piping, chamber, cover, valves, fittings, pipe saddles, excavation and backfill.	<b>4</b> Ea.	\$ 750-	\$3000 <sup>-</sup>
(Unit P	rice In Written Words)	- Ed.	<u>, 750</u>	\$ <u>2,000</u>
53	Air release valve chambers for six (6) inch force main complete with piping, chamber, cover, valves, fittings, pipe saddles, excavation and backfill.	5 Ea.	\$ <i>550</i>	2750-
(Unit P	rice In Written Words)			
54	Air release valve chambers for eight (8) inch force main complete with piping, chamber, cover, valves, fittings, pipe saddles, excavation and backfill.	4 EA.	\$ <b>650</b>	\$260ō
(Unit P	rice In Written Words)			
55	Connections to existing manholes complete with all fittings, concrete, etc.	4 Ea.	\$ <b>250</b> -	1,000
(Unit Pr	rice In Written Words)			
56	Reinforced concrete base course, 10-inch thick for State roads.	76_SY_	\$_16_	1216
(OHIL P	rice In Written Words)			

Item No.	Description	Estimated Quantity	Unit Price	Total <u>Price</u>
57	Bituminous concrete binder course (ID-2A) 2" thick, State roads.	6,152 SY	\$ <i>]]140</i>	70,132.80 \$
(Unit Pr	rice In Written Words)			
58	Bituminous concrete, ID-2A, wearing course, 1" thick, State roads.	6,152 SY	\$ <b>6</b> -	36,912-
(Unit Pr	rice In Written Words)			
59	Pavement replacement, CP-2 Township roads and driveways.	12,172 SY	\$ <u>6</u> -	73,032- \$
(Unit Pr	rice In Written Words)			
60	Improved shoulder replacement.	3,030 SY	\$3.50	10,605
(Unit Pr	rice In Written Words)			
61	Shoulder replacement (original material) for Township roads.	3,400 SY	s <u> </u>	\$ 3,400
(Unit Pi	rice In Written Words)			
62	2-RC stone (6" thick) driveway replacement, complete.	775 SY	s <u>/./0</u>	852,50
(Unit Pr	rice In Written Words)			
63	6" force main 6" concrete encasement.	93 LF	<u>\$ 22.50</u>	2092.50
(Unit Pr	rice In Written Words)			
64	8" force main, 6" concrete encasement.	15 LF	\$ <b>27</b>	\$ <b>405</b>
(Unit Pr	rice In Written Words)			
65	8" gravity sewer, 6" concrete encasement. (Miscellaneous Plan Sheets) rice In Written Words)	698 LF	\$ <b>27</b>	[8,846-
(OILLE I	LICC IN WIICCON WOLGO			

Item No.	Description	Estimated Quantity	Unit <u>Price</u>	Total Price
66	10" gravity sewer, 6" concrete encasemen (Miscellaneous Plan Sheets)	161 LF	\$ <b>3</b> 0-	B.4830-
(Unit P	rice In Written Words)			
67	14" gravity sewer 6" concrete encasement.	25 LF	\$ <b>40</b> -	\$1,000
(Unit P	rice In Written Words)			
68	Compacted select fill, complete in place excluding topsoil and seeding (Plan Shee No. 95).	-	\$ <b>5</b> -	\$ <b>2,375</b>
(Unit P	rice In Written Words)			
69	Commerce Street metering station, comple in place, including flow nozzle, electric wiring and all related items (Plan Sheet No. 2 and Detail Sheet No. 20 of Contrac No. 1).	cal	\$10 <sub>1</sub> 000	\$ <u>10,000</u>
(Unit P	rice In Written Words)			
70	Provide and install 24-inch CMP, 14 ga., complete in place as shown on Plan Sheet No. 14.	42 LF	\$ <b>60-</b>	\$ 2520 <sup>-</sup>
(Unit P	rice In Written Words)			
71	Provide and install 36" CMP, 14 gal, complete in place as shonw on Plan Sheet No. 95.	55 LF	\$ <b>75</b>	\$4125
(Unit P	rice In Written Words)			
72	Furnish and install stream crossing between but not including MH #L-2 and MH #1-3, complete with 53 LF ± 12" cement lined ductile iron pipe, two supporting piers and all other items indicated.	Lump Sum	\$ <b>6514</b>	6514
(Unit P	rice In Written Words)			

Item No.	Description	Estimated Quantity	Unit <u>Price</u>	Total Price
73	Furnish and install 18" corrugated metal storm sewer pipe, 16 gauge, complete in place as shown on Plan Sheet No. 15.	54 LF	\$ <b>40-</b>	2/60-
(Unit Pr	rice In Written Words)			
74	Furnish and install 36" corrugated metal storm sewer pipe, 16 gauge, complete in place as shown on Plan Sheet No. 21.	38 LF	\$ <b>75</b> -	2850
(Unit Pr	rice In Written Words)			
75	Furnish and install fill embankments compin place compacted to 90% of optimum compaction to include 490 CY as shown on Plan Sheet No. 15 2450 CY as shown on Plan Sheet No. 21.		\$ <b>5-</b>	14,700
(Unit Pi	rice In Written Words)			
76	Provide for the relocation of $690 \pm LF$ of 6" PVC water line north berm of U.S. Route #30 between Sta. $38 + 35 \pm and$ Sta. $45 + 25 \pm .$	Lump Sum	\$	5,000-
(Unit Pi	rice In Written Words)			•
77	Provide and install 4" thick (Min.) of topsoil, seedings, fertilizer, and mulch covering on all disturbed vegetative area	as. 79,960 SY	\$3. <u>50</u>	27 <b>9,860</b> —
(Unit Pi	rice In Written Words)			
78	Provide and relocate the water service lin the east berm of L.R. #340 between Sta $5 + 75 + 4$ and Sta $7 + 75 + 4$ .		\$	\$ <b>5,000</b>
(Unit Pi	rice In Written Words)			

### ALTERNATE NO. 1

# PIPELINE CONSTRUCTION

## INELIGIBLE ITEMS

Item No.	Description	Estimated Quantity	Unit Price	Total Price
1	4" service laterals complete in place including excavation, backfill, water-tight plugs, drop connection, testing, arrestoration of unpaved surfaces or tempor paving, but, excluding permanent paving.		\$ <u>/0-</u>	159,086
(Unit P	rice In Written Words)			
2	6" service laterals complet in place including excavation, backfill, water-tight plugs, frop connection, testing, arrestoration of unpaved surfaces or tempor paving, but, excluding permanent paving.		\$15-	\$ <u>600-</u>
(Unit P	rice In Written Words)	نائدىد. مىگىدى بىرىيى بىرى بورى بىرى بىرى بىرى بىرى بىرى بىر	Mill The control of	
<b>a</b> 5	Bituminous concrete binder course (ID-2A) 2" thick, State roads,	250 SY	\$ <i>[[</i> ,40	2850-
(Unit P	rice In Written Words)			
<b>34</b>	Bituminous concrete, ID-2A, wearing course, 1" thick, State roads.	2.50 SY	\$_ <b>6</b>	s <u>1500 —</u>
(Unit F	rice In Written Words)			
95	Pavement replacement, CP-2 Township roads and driveways.	75° sy	\$ <b>_6-</b>	s <b>1,500</b> –
(Unit I	Price In Written Words)			
66	Improved shoulder replacement.	1,614 SY	8 <u>3.50</u>	\$ <b>5,859</b> -
(Unit P	rice In Written Words)			
627	Shoulder replacement (original material) for Township roads.	1200 SY	\$ <u>1</u> —	\$ <u>12.00</u>
(Unit P	rice In Written Words)			
62 <b>ह</b>	2-RC stone (6" thick) driveway replacement, complete.	200 SY	s 1.10	s 2.70 -

Item No.	Description	Estimated Quantity	Unit <u>Price</u>	Total <u>Price</u>
79	Relocate and/or replace any trees, shrub fences, walls, signs, and all other item which conflict with the Contract work.	-	\$	\$ <b>5,000</b>
(Unit P	Price In Written Words)			
80	Construction stake-out.	131,585 LF	\$ <b>0,10</b>	13,158.50
(Unit P	rice In Written Words)			
81	Television inspection of gravity sewer lines (the Owner reserves the right to eliminate all television inspection or to require television inspection.	57,000 LF	\$ <i>0.25</i>	14,250-
(Unit P	rice In Written Words)			
Total C	Contract Alternate No. l - Eligible Items	s 3,977,	<b>91</b> 3,8°	92,322.40

## ALTERNATE NO. 1

## PIPELINE CONSTRUCTION

## INELIGIBLE ITEMS

Item		Estimated	Unit	Total
*	Description	Quantity	Price	Price
1	4" service laterals complete in place including excavation, backfill, water	$\times$	<b>/</b>	$\setminus$
	tight plugs, diop connection, testing, restoration of unpaver surfaces or tem	and	\ /	
$\langle$	paving, but, excluding permanent pavin	g.	X	X .
		16,308 LF	<b>/</b>	*
(Unit I	Price In Written Words)	$\overline{}$	$\langle \rangle$	$\leftarrow$
2	6" service laterals complet in place including excavation, backfill water	$\wedge$		
/	tight plags, from connection, testing, restoration of unpaver surfaces on tem	and		
	paving, but, excluding permanent pavin		X	
(Ilmin I	Dad to La Undate of U	7.55		_ / *— —
(Unit	Price In Written Words)			
Total (	Contract Alternate No. 1 - Ineligible Ite	ms \$ 172, 8	309-	
(In Wor				
Type of	f Piping Selected:			
Grav	vity Pipelines:			
Pres	ssure Sewer Pipelines:			
Contrac	ct Alternate No. 1			
Eligibl	le Items (Total brought forward) \$	922,191	- 3,892,	322.40
	ible Items (Total) \$			
J	<b>\$</b>			
Total 1	Bid - Contract Alternate No. 1 \$ 74	, 095,000	4,065,1	31.40
(In Wo	rds)			
		DATE:		
BIDDER	:			
ADDRESS				
/ 1/		SIGNED:		
Lond )	)   <b> </b>	TITIE.		Marketon of the Control of the Contr

DER Destr Continy Ramegement

1.1...

HARRISBURG RESTOR